

**23. November 1982 Letter from PADEP to SSS Regarding Consent
Order and Agreement**

Provided by: PADEP

11375 N. Main Street
Northampton, PA 19401
215-381-2409

Mr. Craig Phillips
Facilities Manager
Solid State Scientific, Inc.
Commerce Drive
Montgomeryville, PA 18936

Re: Industrial Waste
NPDES Permit No. PA0050130
(Consent Order and Agreement)
Solid State Scientific, Inc.
Montgomery Township, Montgomery Co

Dear Craig:

In accordance with Paragraph 7 of the Consent Order and Agreement executed January 14, 1982, Solid State Scientific, Inc. (SSSI) shall make a payment of two thousand dollars (\$2,000) per month for each month of non-compliance with the NPDES permit beginning October 1, 1982 and ending December 31, 1982.

Since SSSI has yet to attain compliance with the NPDES permit, a check for two thousand dollars (\$2,000) made payable to the Commonwealth of Pennsylvania must be submitted at this time.

If you have any questions, please call.

Very truly yours,

JOSEPH A. FEOLA
Water Quality Specialist Supervisor

cc: Jim Morris

Re 30 U421



24. August 15, 1980 Notification of Hazardous Waste Activity

Provided by: USEPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

INSTALLATION'S EPA I.D. NO.

PAD002278331

Reference Document (RFD)
#1

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

SOLID STATE SCIENTIFIC INC
COMMERCE DRIVE
MONTGOMERY, PA 18936

RFD #1

III. LOCATION OF INSTALLATION

COMMERCE DRIVE
MONTGOMERY, PA 18936

FOR OFFICIAL USE ONLY

COMMENTS

RCRA SECTION
EPA REG. 124.101

AUG 18 00 000286

INSTALLATION'S EPA I.D. NUMBER

APPROVED

DATE RECEIVED
(yr., mo., & day)

3 PAD002278331

T/A C
31

I. NAME OF INSTALLATION

Solid State Scientific Inc.

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

3 COMMERCE DR

CITY OR TOWN

ST.

ZIP CODE

4 MONTGOMERYVILLE

PA 18936

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

5 COMMERCE DR

CITY OR TOWN

ST.

ZIP CODE

6 MONTGOMERYVILLE

PA 18936

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

PHONE NO. (area code & no.)

2 ASHTON ROBERT PLT. PROJ. COORDTR.

215-855-8400

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

8 SOLID STATE SCIENTIFIC INC.

B. TYPE OF OWNERSHIP
(enter the appropriate letter into box)F = FEDERAL
M = NON-FEDERAL

M

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

☒ A. GENERATION☒ B. TRANSPORTATION (complete item VII)☒ C. TREAT/STORE/DISPOSE☐ D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR☐ B. RAIL☒ C. HIGHWAY☐ D. WATER☐ E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

☒ A. FIRST NOTIFICATION☒ B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

PAD002278331

IX. DESCRIPTION OF HAZARDOUS WASTES

9	W	P	A	D	O	D	2	2	7	8	3	3	1	Y/A	C
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1 F 0 0 1 23 - 26	2 F 0 0 2 23 - 26	3 F 0 0 5 23 - 26	4 23 - 26	5 23 - 26	6 23 - 26
7 23 - 26	8 23 - 26	9 23 - 26	10 23 - 26	11 23 - 26	12 23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13 23 - 26	14 23 - 26	15 23 - 26	16 23 - 26	17 23 - 26	18 23 - 26
19 23 - 26	20 23 - 26	21 23 - 26	22 23 - 26	23 23 - 26	24 23 - 26
25 23 - 26	26 23 - 26	27 23 - 26	28 23 - 26	29 23 - 26	30 23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31 P 0 1 0 23 - 26	32 U 0 0 2 23 - 26	33 U 0 7 0 23 - 26	34 U 0 7 1 23 - 26	35 U 0 7 2 23 - 26	36 U 1 3 4 23 - 26
37 U 1 4 0 23 - 26	38 U 1 5 4 23 - 26	39 U 1 8 8 23 - 26	40 U 2 2 0 23 - 26	41 U 2 2 6 23 - 26	42 U 2 2 9 23 - 26
43 U 2 3 9 23 - 26	44 23 - 26	45 23 - 26	46 23 - 26	47 23 - 26	48 23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49 23 - 26	50 23 - 26	51 23 - 26	52 23 - 26	53 23 - 26	54 23 - 26
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E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☒ 1. IGNITABLE
(D001)

☒ 2. CORROSIVE
(D002)

☒ 3. REACTIVE
(D003)

☒ 4. TOXIC
(D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE <i>Thomas K. Kelson</i>	NAME & OFFICIAL TITLE (type or print) PRESIDENT	DATE SIGNED 8/15/80
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**25. January 21, 1981 Letter from SSS to USEPA Regarding Revisions
to PAD002278331**

Provided by: USEPA



SOLID STATE SCIENTIFIC INC.

MONTGOMERYVILLE, PENNA. 18936 ■ 215-855-8400
TWX 510-661-7267

January 21, 1981

RFD #4

Ms. Shirley Bulkin
Environmental Protection Agency
Region III
P. O. Box 1480
Philadelphia, PA 19107

Reference: PAD002278331

Dear Shirley:

In keeping with the E.P.A. request that all generators, TSDF's and transporters update their notification bulletins when required, I would like to submit the following revisions, regarding our Montgomeryville Facility, Permit PAD002278331:

Item

VI & VII

added trans. & highway
2/2/81

We wish to be permitted to transport wastes between our facilities for treatment and/or storage. It has been my understanding that notification to the E.P.A. is all that is currently required, provided that commerce is contained within the state of Pennsylvania and D.O.T. placarding, labeling and packing requirements are complied with. This information was given to me through a telephone conversation with a representative of your Philadelphia office. If there are further requirements, please notify me immediately.

IX

deleted
u070
1171
1172

Section C - It is my contention that hazardous waste numbers u070, u071, u072 (1,2; 1,3; 1,4 Dichlorobenzene) are not constituents of a chemical used here that contains Orthodichlorobenzene. Therefore, we wish to categorize Orthodichlorobenzene under Section X, Non-listed Hazardous Wastes, as a toxic substance. Please remove these numbers from Section C, Commercial Chemical Product Wastes.

Please note that you will be receiving an identical letter regarding changes in our notification for our Willow Grove Facility. Please refer those changes to their corresponding identification number.

**26. January 23, 1981 Letter from SSS to USEPA Regarding
Revisions to PAD002278331**

Provided by: USEPA



SOLID STATE SCIENTIFIC INC.

MONTGOMERYVILLE, PENNA. 18936 ■ 215-855-8400
TWX 510-661-7267

January 23, 1981

RFD #5

AMMENDED PART A.

Ms. Shirley Bulkin
Environmental Protection Agency
Region III
P. O. Box 1480
Philadelphia, PA 19107

Reference: I.D. #PAD002278331

Dear Shirley:

Please make the following changes regarding our Form (3) Treatment, Storage and Disposal, Part "A", Application, PAD002278331:

<u>Page</u>	<u>Section</u>	<u>Line Numbers</u>	<u>Hazard Waste Codes</u>
3	IV	9 & 10	D001, D002, D000

Please change under Item B, Estimated Annual Quantity of Waste from:

Line 9 - 6.6 to 66.6 T
Line 10- 6.0 to 60.6 T

This was a typographical error on my part and I have included a copy of these corrections with this letter. My apologies for any inconvenience this may have caused you. Please contact me if there are any further questions regarding these corrections.

Sincerely,

Robert J. Ashton
Robert J. Ashton *Jma*
Plant Project Coordinator

RJA:jmd

cc: C. Phillips
R. DePue

Enclosures

**27. July 27, 1981 Letter from USEPA to SSS Regarding
Part A Application**

Provided by: USEPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

6TH AND WALNUT STREETS
PHILADELPHIA, PENNSYLVANIA 19106

RFD#6

JUL 27 1981

Mr. L. P. Kedson
Solid State Scientific, Inc.
Montgomeryville Industrial Ctr.
Montgomeryville, PA 18936

Dear Mr. Kedson:

This is to acknowledge that the Environmental Protection Agency has completed processing the information submitted in your Part A Hazardous Waste Permit Application. It is the Agency's opinion, based on the assumption that the information submitted is complete and accurate, you as an owner or operator of a hazardous waste management facility have met the requirements of Section 3005(e) of the Resource Conservation and Recovery Act (RCRA) for Interim Status. EPA has not verified the information submitted. If it is determined that the information is incomplete or inaccurate, you may be asked to provide additional information or in certain circumstances it may be determined that you do not qualify for interim status. In addition, this notice does not preclude a citizen from taking legal action under the provisions of Section 7002 of RCRA.

A facility not meeting the requirements for interim status under Section 3005 of RCRA may be required to close until such time as a hazardous waste permit is issued. Interim status may also be terminated, according to procedures in 40 CFR Part 124, if the owner or operator fails to furnish additional information which EPA requests in order to process a permit application.

As an owner or operator of a hazardous waste management facility, you are required to comply with the interim status standards as prescribed in 40 CFR Parts 122 and 265 or with State rules and regulations in those States which have been authorized under Section 3006 of RCRA. In addition, you are reminded that operating under interim status does not relieve you from the need to comply with all applicable State and local requirements.

The enclosure to this letter identifies the processes your facility may use, their design capacities, and types of waste your facility may accept during interim status. This information was obtained from the Part A Permit Application. If you wish to handle new wastes, change processes, increase the design capacity of existing processes, or change ownership or operational control of the facility, you may do so only as provided in 40 CFR Sections 122.22 and 122.23.

If you have any questions concerning this letter, please write to the address shown or call Bill Walsh at 215/597-1230.

Sincerely yours,

Shirley D. Bulkin
Shirley D. Bulkin
Chief, Administrative Support Section
Permit Enforcement Branch

Enclosure

CONDITIONS OF OPERATION DURING
INTERIM STATUS

Date Prepared: July 27, 1981

The information shown below is based solely on the information that the owner and operator of this facility submitted in Part A of the Hazardous Waste Permit Application. This is not a determination by EPA that this facility is an environmentally acceptable facility for treating, storing or disposing of the hazardous wastes listed below.

1. Facility name, location, and EPA Identification Number.

Name: Solid State Scientific, Inc.

Location: Commerce & Enterprise Drives
Montgomeryville, PA 18936

EPA I.D. No.: PAD 00 227 8331

II. EPA considers the following to be the owner or operator of the facility and therefore the person(s) who must comply with the requirements set forth in 40 CFR Parts 122 and 265.

Owner's Name: Mr. L. P. Kedson, President

Operator's Name: Mr. R. J. Ashton

III. During the period of interim status, the facility may use only the following processes for treating, storing or disposing of hazardous waste, up to the design capacities that are indicated.

<u>PROCESS</u>	<u>DESIGN CAPACITY</u>
<u>S01</u>	<u>5500 Gals.</u>
<u>S02</u>	<u>1550 Gals.</u>
<u>T01</u>	<u>85,000 Gals/Day</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

IV. During the period of interim status, the facility may handle only the hazardous wastes with the following EPA Hazardous Waste Numbers, and/or solid waste exhibiting hazardous characteristics with the following EPA Hazardous Waste Numbers.

<u>U002</u>	<u>U134</u>	<u>U154</u>	<u>U188</u>	<u>U072</u>
<u>U229</u>	<u>U239</u>	<u>U226</u>	<u>D001</u>	<u>D002</u>

**28. February 18, 1982 Letter from USEPA to SSS Regarding Change
of Operations during Interim Status**

Provided by: ALLEGRO



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

6TH AND WALNUT STREETS
PHILADELPHIA, PENNSYLVANIA 19106

February 18, 1982

Mr. George Rutland
Solid State Scientific, Inc.
Montgomeryville Industrial Ctr.
Montgomeryville, PA 18936

Re: EPA I.D. No. PAD 00 227 8331

Dear Mr. Rutland:

This is to acknowledge receipt of your letter dated January 14, 1982 in which you request a change to "Conditions of Operations During Interim Status."

Enclosed is an amended form reflecting the change(s). If we can be of any further assistance, please do not hesitate to contact Ms. Joan Henry, a member of my staff, on 215-597-8751.

Sincerely yours,

A handwritten signature in cursive script, reading "Patrick Anderson".

Patrick Anderson
Chief, RCRA Permit and Pesticides Section
Air and Waste Management Division

CONDITIONS OF OPERATION DURING

INTERIM STATUS

AMENDED

Date Prepared: February 18, 1982

The information shown below is based solely on the information that the owner and operator of this facility submitted in Part A of the Hazardous Waste Permit Application. This is not a determination by EPA that this facility is an environmentally acceptable facility for treating, storing or disposing of the hazardous wastes listed below.

1. Facility name, location, and EPA Identification Number.

Name: Solid State Scientific, Inc.

Location: Commerce & Enterprise Drives
Montgomeryville, PA 18936

EPA I.D. No.: PAD 00 227 8331

II. EPA considers the following to be the owner or operator of the facility and therefore the person(s) who must comply with the requirements set forth in 40 CFR Parts 122 and 265.

Owner's Name: Solid State Scientific, Inc.
Attn: George Rutland, President

Operator's Name: Al Corace, Plant Manager

III. During the period of interim status, the facility may use only the following processes for treating, storing or disposing of hazardous waste, up to the design capacities that are indicated.

<u>PROCESS</u>	<u>DESIGN CAPACITY</u>
S01	5500 Gals.
S02	2500 Gals.
_____	_____
_____	_____
_____	_____

IV. During the period of interim status, the facility may handle only the hazardous wastes with the following EPA Hazardous Waste Numbers, and/or solid waste exhibiting hazardous characteristics with the following EPA Hazardous Waste Numbers.

<u>D002</u>	<u>D001</u>	<u>F002</u>	<u>F003</u>	<u>F005</u>
_____	_____	_____	_____	_____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
6TH AND WALNUT STREETS
PHILADELPHIA, PENNSYLVANIA 19106

February 18, 1982

Mr. Al Corace
Solid State Scientific, Inc.
Montgomeryville Industrial Ctr.
Montgomeryville, PA 18936

Re: EPA I.D. No. PAD 00 227 8331

Dear Mr. Corace:

This is to acknowledge receipt of your letter dated January 14, 1982 in which you request a change to "Conditions of Operations During Interim Status."

Enclosed is an amended form reflecting the change(s). If we can be of any further assistance, please do not hesitate to contact Ms. Joan Henry, a member of my staff, on 215-597-8751.

Sincerely yours,

A handwritten signature in cursive script, which appears to read "Patrick Anderson", is written over a horizontal line.

Patrick Anderson
Chief, RCRA Permit and Pesticides Section
Air and Waste Management Division

CONDITIONS OF OPERATION DURT 7

INTERIM STATUS

AMENDED

Date Prepared: February 18, 1982

The information shown below is based solely on the information that the owner and operator of this facility submitted in Part A of the Hazardous Waste Permit Application. This is not a determination by EPA that this facility is an environmentally acceptable facility for treating, storing or disposing of the hazardous wastes listed below.

1. Facility name, location, and EPA Identification Number.

Name: Solid State Scientific, Inc.

Location: Commerce & Enterprise Drives
Montgomeryville, PA 18936

EPA I.D. No.: PAD 00 227 8331

II. EPA considers the following to be the owner or operator of the facility and therefore the person(s) who must comply with the requirements set forth in 40 CFR Parts 122 and 265.

Owner's Name: Solid State Scientific, Inc.
Attn: George Rutland, President

Operator's Name: Al Corace, Plant Manager

III. During the period of interim status, the facility may use only the following processes for treating, storing or disposing of hazardous waste, up to the design capacities that are indicated.

<u>PROCESS</u>	<u>DESIGN CAPACITY</u>
<u>S01</u>	<u>5500 Gals.</u>
<u>S02</u>	<u>2500 Gals.</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

IV. During the period of interim status, the facility may handle only the hazardous wastes with the following EPA Hazardous Waste Numbers, and/or solid waste exhibiting hazardous characteristics with the following EPA Hazardous Waste Numbers.

<u>D002</u>	<u>D001</u>	<u>F002</u>	<u>F003</u>	<u>F005</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

**29. March 4, 1983 Letter from PADEP to SSS Regarding Request for
Part B Application –**

Provided by: ALLEGRO



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
1875 New Hope Street
Norristown, PA 19401
215 631-2420



March 4, 1983

Mr. Al Corace
Manager of Building Services
Solid State Scientific, Inc.
Montgomeryville Industrial Center
Montgomeryville, PA 18936

Re: EPA Identification No. PAD002278331
Facility Name: Solid State Scientific, Inc.
Commerce and Enterprise Drive
Montgomery Township, PA 18936

Dear Mr. Corace:

This letter constitutes a formal request for Part B of your application for Hazardous Waste Management Facility Permit under the Hazardous Waste Management Regulations, 25 PA Code Chapter 75, Subchapter D, for the facility referred above. This request is made under the authority of Section 75.265(z)(6) of the regulations. You should refer to the hazardous waste management regulations that appeared in the Pennsylvania Bulletin dated September 4, 1982, which was recently mailed to you for the requirements of the Part B application. Your Part B application must be submitted no later than September 1, 1983. If there is information that is being claimed as confidential, indicate this according to the requirements of Section 75.265(z)(16).

If your facility is not a TSD (treatment, storage or disposal site), or if you stopped functioning as a TSD facility after November 19, 1980, or if you qualify under the Permit by Rule provision of the regulations, it will be necessary for you to contact one of our field offices, and to arrange for an inspection to confirm this. Our field offices and the areas covered are the Bethlehem Office, phone number 861-2070, covering Berks, Lehigh and Northampton Counties; and the Norristown Office, phone number 631-2420, covering Philadelphia, Bucks, Chester, Delaware and Montgomery Counties.

If you functioned as a TSD after November 19, 1980, it will be necessary for you to submit four copies of a closure plan to Mr. Bruce Beitler of this office.

Enclosed are reference checklists for your Part B application that are to be used to insure your application contains the minimum information required. These checklists are to be used to assist you in your Part B application and our subsequent review, although the checklists are not a substitute for reviewing and addressing the hazardous waste regulations themselves. Because you may be anticipating additional facilities at your location, we have included checklists for every type of facility covered by the Department requirements. Please use only those checklists that apply to the types of facilities for which you are making application.

30. November 9, 1984 Hazardous Waste Inspection Report

Provided by: USEPA

HAZARDOUS WASTE INSPECTION REPORT
Generators - Part A

RFD #11

CC

Date of inspection 11-9-84 Time start 1300 Time finish 1430
Name of inspector ROBERT ALLEN
Company, installation name SOLID STATE SCIENTIFIC
Location 12 COMMERCE DRIVE MONTGOMERYVILLE
County MONTGOMERY Municipality MONTGOMERY TWP.
Identification number PAD002278331
Name of responsible official PETER LOCONTO
Title GM
Mailing address 3900 WELSH RD. WILLOW GROVE PA. 19090
Area code and phone no. _____
Name of person interviewed JOSEPHINE HISTAND
Title CHEMICAL TECHNICIAN
Mailing address (if different from above) _____
Area code and phone no. _____

1. Current waste handling method:

- a. ☒ On-site ☐ treatment ☒ storage, ☐ disposal
b. ☐ On-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim
c. ☒ Off-site ☒ treatment, ☒ storage, ☐ disposal
d. ☐ Off-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim

DEC 18 1984

2. Amount of hazardous waste produced:

- a. 3000 kg./mo.
b. _____ kg./yr.

3. Types of hazardous waste produced by Hazardous Waste Number:

D001 D002

F002, 3, 5

4. Are hazardous wastes transported off-site by the generator? ☐ Yes ☒ No

HAZARDOUS WASTE INSPECTION REPORT
Part C - Comments

Date of Inspection 11-9-84 Identification Number PAD00228331
Company, Installation Name SOLID STATE SCIENTIFIC
County MONTGOMERY Municipality MONTGOMERY TWP.

THIS FACILITY HAD INTERIM STATUS ~~FOR~~ FOR STORAGE & TREATMENT
BUT WILL NOT SEEK A PERMIT FOR THESE ACTIVITIES. THERE-
FORE A NEW NOTIFICATION MUST BE SUBMITTED DELETING
SAME. NO WASTES CAN BE STORED > 90 DAYS.

NO VIOLATIONS OBSERVED.

DEC 13 1984

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Solid Waste Management, inspected the above installation. The findings of this inspection are shown in this report. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Notification will be forthcoming, confirming any violations indicated herein and listing any additional violations.

Person Interviewed (signature) Josephine Thibault

Date 11/9/84

Inspector (signature) ASL

Date 11-9-84

31. December 1984 SSS Montgomeryville Facility Closure Plan

Provided by: USEPA

RECEIVED
STATE PROGRAMS SECTION

JAN 8 1985

U.S. EPA, REGION III

CP 87-09 copy 3
RFD #12

SOLID STATE SCIENTIFIC, INC.
Montgomeryville Facility

Closure Plan

December, 1984

CLOSURE PLAN

SSSI's Montgomeryville facility consists of three buildings. Building #1 was utilized for administrative offices. Building #2 contained manufacturing facilities, waste chemical storage areas and a waste treatment plant. Building #3 contained manufacturing facilities. Closure of this facility will be as follows:

Building #2

Closure of the manufacturing facilities in Building #2 will consist of removal and disposal of all chemicals and contaminated piping. The expected maximum amount of chemicals in this area would be ten 55 gallon drums. The area will then be cleaned and any areas of chemical residue will be removed.

Closure of the waste treatment plant will include flushing the piping and tanks and removal and disposal of the rinse water.

Closure of the waste chemical storage areas include removal and disposal of the waste solvent tank and access piping. All waste chemicals in the storage areas will be removed and disposed. The expected maximum amount of waste chemicals will be 15 drums of acid waste, 30 empty waste chemical drums, five drums of solvent waste and 25 drums of miscellaneous chemical waste. After removing and disposing of the drummed chemical waste, the storage area will be cleaned and any areas of chemical residue removed.

Building #3

Closure of the manufacturing area in Building #3 will consist of removal and disposal of all chemicals and contaminated process piping. The expected maximum amount of chemicals in this area would be ten 55 gallon drums. The manufacturing area will then be cleaned and any areas of chemical residue will be removed.

Closure of the Montgomeryville facility in this manner will eliminate the need for any post-closure monitoring since all chemicals will have been removed and the equipment decontaminated.

CLOSURE COST ESTIMATES

Building #2

Manufacturing Area

Removal and disposal of surplus and waste chemicals
Removal and disposal of contaminated process piping
Cleaning of Manufacturing area

Waste Treatment Plant

Flushing of piping and tanks
Removal and disposal of rinse water

Waste Chemical Storage Areas

Removal and disposal of Solvent Tank & Piping
Removal and disposal of remaining Waste Chemicals
Cleaning of Waste Chemical Storage Area

Building #3

Manufacturing Area

Removal and disposal of surplus and waste chemicals
Removal and disposal of contaminated process piping
Cleaning of Manufacturing area

**32. December 14, 1984 Letter from PADEP to SSS Regarding
Closure Plan**

Provided by: ALLEGRO



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

1875 New Hope Street
Norristown, PA 19401
(215) 270-1920



December 14, 1984

RECEIVED
STATE PROGRAMS SECTION

DEC 20 1984

Ms. Josephine Histan
Solid State Scientific, Inc.
16 Commerce Drive
Montgomeryville, PA 18936

U.S. EPA, REGION III

Re: Closure Plan for Hazardous Waste Facility PAD002278331

Dear Ms. Histan:

I have received either verbal or written communication from you concerning the withdraw of your hazardous waste Part B application. However, we cannot return your hazardous waste Part B application until we have approved a closure plan for your hazardous waste management facility even if you are changing your status from treatment storage or disposal to being a generator only.

Therefore, you should not be functioning as a hazardous waste treatment storage or disposal facility since the time you notified the Department of your intent to withdraw your hazardous waste Part B application.

The closure plan must be submitted to me. Failure to do so by February 1, 1985 may result in legal action being taken against you by the Department. If you have any questions concerning the contents of the closure plan or the number of copies required contact Mr. James Dolan at 861-2070. Other questions can be directed to me at the above phone number.

Very truly yours,

LAWRENCE H. LUNSK
Solid Waste Facilities Supervisor

LHL/bal

CC: Field Supervisor
U.S. EPA Code 3HW31 ✓
Division of Hazardous Waste Management, G. Leader
Re 30

**33. March 11, 1985 Letter from PADEP to SSS
Regarding Closure**

Provided by: ALLEGRO



Rick *Joe J. Doyle Jr.*

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES



Bethlehem Office
520 East Broad Street
Bethlehem, PA 18018
861-2070

March 11, 1985

Ms. Josephine Histan
Chemical Technician
Solid State Scientific, Inc.
3900 Welsh Road
Willow Grove, PA 19090



Re: Closure of Hazardous Facility
PAD002278331 *wrong # (?)*

Dear Josephine:

The referenced closure plan has been reviewed by our technical staff. In order to grant final approval, the following information will be required.

1. A complete description of the areas to be closed.
This should include:
 - a) Dimensions and capacities
 - b) Materials of construction
 - c) Additional equipment which may require decontamination such as sumps, pads, pumps, etc.
 - d) Surrounding area description delineating paved and unpaved areas.
 - e) Site history including a description of the materials managed on site and any spill or release incidents.
 - f) Results of a visual inspection. For paved drum storage areas this should include a description of the pad, curbs, sumps, and surrounding areas. Conditions to be noted should include cracks, stains, residue, and denuded areas which should be vegetated. Outside storage tanks should be inspected for similar evidence of spills and contamination.

March 11, 1985


2. A complete description of the proposed decontamination procedures should be provided, and should include the following:

- a) A description of the cleaning procedure (water washdown, steam-cleaning, etc.) to be used for each piece of equipment.
- b) If a review of operating history or a visual inspection indicate that some soil or groundwater pollution may be present, a technique for evaluating and rectifying the situation must be provided.
- c) A testing method to insure the decontamination procedure is efficient.
- d) A disposal method for the clean-up residue.

Upon receipt of the above information, the plan will be deemed approved and closure may proceed. When all closure activities are completed, please execute the attached certifications and forward them to me at the above address.

If you have any questions, please do not hesitate to call me.

Very truly yours,

 James A. Dolan
Hazardous Waste Coordinator

JAD/bal

Enclosure

CC: Field Supervisor
U.S. EPA Code 31HW33
Division of Hazardous Waste Management

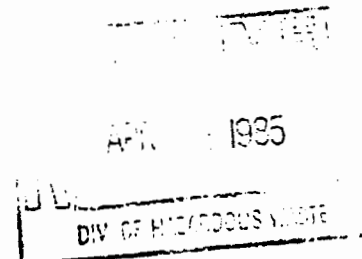


COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
1875 New Hope Street
Norristown, PA 19401
215 270-1920



March 28, 1985

Mr. Al Corace
Manager of Building Services
Solid State Scientific, Inc.
Montgomeryville Industrial Center
Montgomeryville, PA 18936



Re: PAD002278331
Solid State Scientific, Inc.
Montgomeryville Facility

Dear Mr. Corace:

We have completed the review of your hazardous waste facility closure plan submitted after the withdrawal of your hazardous waste Part A application.

Your closure plan has been found to be acceptable. I am returning your hazardous waste Part A application and you will now be considered a hazardous waste facility generator only which terminates your interim status as a hazardous waste container storage, tank storage and tank treatment facility.

We are now closing our records on the review of this application.

Very truly yours,

WAYNE L. LYNN
Regional Solid Waste Manager

cc: Montgomery Township
Montgomery County Planning Commission
Mr. Danyliw
Re 30 2W87.16

34. March 27, 1985 Letter from PADEP to SSS Regarding Closure

Provided by: ALLEGRO



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES



Bethlehem Office
520 East Broad Street
Bethlehem, PA 18018
861-2070

March 28, 1985

Ms. Josephine Histan
Chemical Technician
Solid State Scientific, Inc.
3900 Welsh Road
Willow Grove, PA 19090

Re: Closure of Hazardous Waste Management Facility
PAD002228331
Plan Revision

Dear Josephine:

This is to acknowledge receipt of the subject plan revision dated March 26, 1985. As indicated in my March 11, 1985 correspondence, closure may proceed. Please forward the completed closure certifications to this office. Upon receipt of these certifications, a final closure inspection will be scheduled.

Thank you for your cooperation. If I can be of any further assistance please do not hesitate to call.

Best regards,

James A. Dolan
Hazardous Waste Coordinator

JAD/bal

CC: U.S. EPA Code 3HW33 ✓
Division of Hazardous Waste Management

**35. January 7, 1985 Letter from PADEP to SSS Regarding
Closure Plan**

Provided by: USEPA and ALLEGRO



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES



RFD#13

Bethlehem Office
520 East Broad Street
Bethlehem, PA 18018
861-2070

January 7, 1984

probably 1985
1985

Ms. Josephine Histan
Chemical Technician
Solid State Scientific, Inc.
3900 Welsh Road
Willow Grove, PA 19090

Re: Closure Plan for Hazardous Waste
Facility
PAD002278331

Dear Josephine:

This is to acknowledge receipt of the referenced closure plan dated December 21, 1984. It has been assigned to our technical staff for review. Specific comments concerning this review will be forwarded to you in writing. A copy of this plan has been forwarded to DER, Division of Hazardous Waste Management in Harrisburg, U.S. EPA Region III, Philadelphia and Montgomery Township.

If you have any questions concerning this closure, please direct them to me at the above number. If I can be of any other service, please feel free to call.

Very truly yours,

James A. Dolan
Hazardous Waste Coordinator

JAD/bal

CC: Division of Hazardous Waste Management
U.S. EPA Code 3HW31 ✓

RECEIVED
STATE PROGRAMS SECTION

JAN 8 1985

U.S. EPA, REGION III

**36. March 28, 1985 Letter from PADEP to SSS Regarding
PAD002278331**

Provided by: USEPA



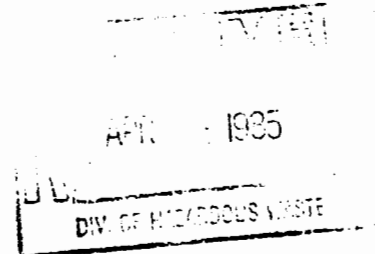
RFD# 14

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
1875 New Hope Street
Norristown, PA 19401
215 270-1920



March 28, 1985

Mr. Al Corace
Manager of Building Services
Solid State Scientific, Inc.
Montgomeryville Industrial Center
Montgomeryville, PA 18936



Re: PAD002278331
Solid State Scientific, Inc.
Montgomeryville Facility

Dear Mr. Corace:

We have completed the review of your hazardous waste facility closure plan submitted after the withdrawal of your hazardous waste Part A application.

Your closure plan has been found to be acceptable. I am returning your hazardous waste Part A application and you will now be considered a hazardous waste facility generator only which terminates your interim status as a hazardous waste container storage, tank storage and tank treatment facility.

We are now closing our records on the review of this application.

Very truly yours,

Wayne L. Lynn

WAYNE L. LYNN
Regional Solid Waste Manager

cc: Montgomery Township
Montgomery County Planning Commission
Mr. Danyliw
Re 30 2W87.16

**37. September 16, 1985 Letter from SSS to PADEP
Regarding Closure**

Provided by: ALLEGRO



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

RFD #15

RECEIVED
PA SECTION

SEP 27 1985

EPA, R3

Bethlehem Office
520 East Broad Street
Bethlehem, PA 18018
861-2070

September 26, 1985

Re: Closure of Hazardous
Waste Management Facilities
PAD002278331 *mu*
PAD000765800 *WG*

Ms. Josephine Histan
Solid State Scientific, Inc.
3900 Welsh Road
Willow Grove, PA 19090

Dear Josephine:

This is to acknowledge receipt of your correspondence dated September 16, 1985 confirming completion of closure of the Montgomeryville facility. Also contained in this correspondence were the certifications of closure for this facility. An inspection on September 19, 1985 indicates that closure was in accordance with the approved plan. This completes the Department's requirements for closure of your Montgomeryville plant.

An inspection on August 16, 1985 of the Willow Grove facility of SSSI confirmed that storage of hazardous wastes for less than 90 days is occurring. This completes the Department's requirements for withdrawal of interim status.

Thank you for your cooperation during these closures. If you have any questions or if I can be of further service, please do not hesitate to call.

Very truly yours,

James A. Dolan
Solid Waste Specialist

JAD/bal

CC: L. Luns
G. Danyliw
Division of Hazardous Waste Management
U.S. EPA Code 3HW33

OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, of Solid State Scientific, Inc, a (1) Corporation,
(Name of Owner or Operator)
incorporated under the laws in the State of Delaware and licensed to do business in
Pennsylvania, or (2) _____,
(Partnership, Individual, Municipality or Other Entity)
with its principal place of business at 3900 Welsh Road, Willow Grove 19090, which
(Address)
formerly owned or operated a hazardous waste Storage and Treatment Facility
(Description of Hazardous Waste Activity)
(hereinafter "Facility") known as Solid State Scientific, Inc. and
(Name of Hazardous Waste Facility)
located at Commerce Drive & Enterprise Road, Montgomeryville
(Location)
Montgomery County, Pennsylvania, has completed and permanently ceased the
active operation of the facility and has fully implemented all measures relating to the
closure of the facility as set forth in the Closure Plan approved by the Pennsylvania
Department of Environmental Resources for said facility.

NOW, THEREFORE, I (we) John Robert Michael Hinsley
(Name of Owner/Operator)

hereby swear and affirm that the above-named hazardous waste facility has been closed in
accordance with the facility's Closure Plan approved in writing by the Department on
September 1st, 1985, that all measures relating to the closure of the facility required
by the Closure Plan and the rules and regulations of the Department codified at 25 Pa. Code
Chapter 75 have been fully implemented, and that to the best of my (our) knowledge, no
violations continue to exist that may have arisen prior to closure.

JRM Hinsley
(Signature)

Director Of Facilities
(Title)

3900 Welsh Road, Willow Grove, PA 19090
(Address)

Taken, sworn and subscribed before me, this
16th day of September A.D. 1985

Herman S. Richard
(Notary)

HERMAN S. RICHARD, NOTARY PUBLIC
NEW HANOVER TWP., MONTGOMERY COUNTY
MY COMMISSION EXPIRES JAN. 13, 1987
Member, Pennsylvania Association of Notaries

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, William L. Deane, a Professional Engineer registered
(Name)
pursuant to the Professional Engineers Registration Law, 63 P.S. §§148
et seq., hereby certify that I have reviewed the Closure Plan for the
Storage Area, Drum and Solvent Storage Areas and Wastewater Treatment Plant
(Type of Facility)

at Building No. 2 ("facility"), located at
(Name of Hazardous Waste Facility)
Solid State Scientific, Incorporated, Montgomeryville, Pa.,
(Location)

that I am familiar with the rules and regulations of the Pennsylvania
Department of Environmental Resources pertaining to closure of such facility,
and that I personally have made visual inspection(s) of the aforementioned
facility, in addition to the visitations of my staff, and that the closure
of the aforementioned facility has been performed in full and complete
accordance with the facility's closure plan approved in writing by the
Department of Environmental Resources on September 1, 1985,
and the rules and regulations of the Department codified at 25 Pa.
Code Chapter 75.

William L. Deane
(Signature)

11 September 1985
(Date)

32361-E
(Professional Engineering License Number)

Storch Engineers
220 Ridgedale Avenue
Florham Park, NJ 07932

(Business Address)

(Seal)

201-822-2600
(Telephone Number)

Please refer to the attached engineering report in support of this
certification.

38. September 26, 1985 Closure Certificate

Provided by: USEPA and ALLEGRO



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bethlehem Office
520 East Broad Street
Bethlehem, PA 18018
861-2070

September 26, 1985

Re: Closure of Hazardous
Waste Management Facilities
PAD002278331
PAD000765800

Ms. Josephine Histan
Solid State Scientific, Inc.
3900 Welsh Road
Willow Grove, PA 19090

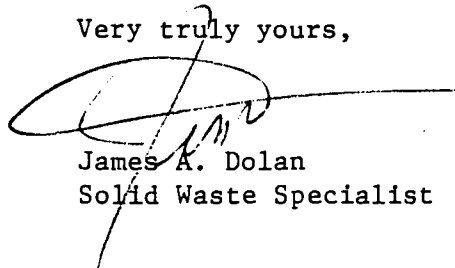
Dear Josephine:

This is to acknowledge receipt of your correspondence dated September 16, 1985 confirming completion of closure of the Montgomeryville facility. Also contained in this correspondence were the certifications of closure for this facility. An inspection on September 19, 1985 indicates that closure was in accordance with the approved plan. This completes the Department's requirements for closure of your Montgomeryville plant.

An inspection on August 16, 1985 of the Willow Grove facility of SSSI confirmed that storage of hazardous wastes for less than 90 days is occurring. This completes the Department's requirements for withdrawal of interim status.

Thank you for your cooperation during these closures. If you have any questions or if I can be of further service, please do not hesitate to call.

Very truly yours,



James A. Dolan
Solid Waste Specialist

JAD/bal

CC: L. Luns
G. Danyliw
Division of Hazardous Waste Management
U.S. EPA Code 3HW33



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

SOLID STATE
SCIENTIFIC
MONTGOMERYVILLE
MONT CO

DER-RECEIVED
MONTGOMERYVILLE

SEP 27 1985

Bethlehem Office
520 East Broad Street
Bethlehem, PA 18018
861-2070

September 26, 1985

Re: Closure of Hazardous
Waste Management Facilities
PAD002278331
PAD000765800

Ms. Josephine Histan
Solid State Scientific, Inc.
3900 Welsh Road
Willow Grove, PA 19090

Dear Josephine:

This is to acknowledge receipt of your correspondence dated September 16, 1985 confirming completion of closure of the Montgomeryville facility. Also contained in this correspondence were the certifications of closure for this facility. An inspection on September 19, 1985 indicates that closure was in accordance with the approved plan. This completes the Department's requirements for closure of your Montgomeryville plant.

An inspection on August 16, 1985 of the Willow Grove facility of SSSI confirmed that storage of hazardous wastes for less than 90 days is occurring. This completes the Department's requirements for withdrawal of interim status.

Thank you for your cooperation during these closures. If you have any questions or if I can be of further service, please do not hesitate to call.

Very truly yours,

James A. Dolan
Solid Waste Specialist

JAD/bal

CC: L. Luns
G. Danyliw
Division of Hazardous Waste Management
U.S. EPA Code 3HW33

1

SOLID STATE SCIENTIFIC



SOLID STATE SCIENTIFIC, INC.

3900 Welsh Road
Willow Grove, PA 19090
(215) 657-8400 TWX 510-661-7267

September 16, 1985

Mr. James A. Dolan
Hazardous Waste Coordinator
Commonwealth Of Pennsylvania
Department Of Environmental Resources
520 East Broad Street
Bethlehem, PA 18018

Dear Jim:

Solid State Scientific, Inc. has completed the closure of the hazardous waste treatment and storage facilities located at the Building #2 location in Montgomeryville, Pennsylvania. Enclosed please find an original of the Professional Engineer Certification of Closure and the Owner of Operator Certification of Closure. Also enclosed is a copy of the Consulting Firm's Report including all analyses performed, locations and results.

If there are any further questions, please contact me at (215) 657-8400. Ext. 3367.

Sincerely,

Josephine Hestand

JH:jf

Enclosure

cc: Mike Hinsley - SSSI

OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, of Solid State Scientific, Inc, a (1) Corporation,
(Name of Owner or Operator)
incorporated under the laws in the State of Delaware and licensed to do business in
Pennsylvania, or (2) _____,
(Partnership, Individual, Municipality or Other Entity)
with its principal place of business at 3900 Welsh Road, Willow Grove 19090, which
(Address)
formerly owned or operated a hazardous waste Storage and Treatment Facility
(Description of Hazardous Waste Activity)
(hereinafter "Facility") known as Solid State Scientific, Inc. and
(Name of Hazardous Waste Facility)
located at Commerce Drive & Enterprise Road, Montgomeryville
(Location)
Montgomery County, Pennsylvania, has completed and permanently ceased the
active operation of the facility and has fully implemented all measures relating to the
closure of the facility as set forth in the Closure Plan approved by the Pennsylvania
Department of Environmental Resources for said facility.

NOW, THEREFORE, I (we) John Robert Michael Hinsley
(Name of Owner/Operator)
hereby swear and affirm that the above-named hazardous waste facility has been closed in
accordance with the facility's Closure Plan approved in writing by the Department on
September 1st, 1985, that all measures relating to the closure of the facility required
by the Closure Plan and the rules and regulations of the Department codified at 25 Pa. Code
Chapter 75 have been fully implemented, and that to the best of my (our) knowledge, no
violations continue to exist that may have arisen prior to closure.

JRM Hinsley
(Signature)

Director Of Facilities
(Title)

3900 Welsh Road, Willow Grove, PA 19090
(Address)

Taken, sworn and subscribed before me, this
16th day of September A.D. 1985

Herman S. Richard
(Notary)

HERMAN S. RICHARD, NOTARY PUBLIC
NEW HANOVER TWP., MONTGOMERY COUNTY
MY COMMISSION EXPIRES JAN. 13, 1987
Member, Pennsylvania Association of Notaries

STORCH ENGINEERS

220 RIDGEDALE AVENUE, P.O. BOX 267, FLORHAM PARK, NJ 07932

(201) 822-2600

September 10, 1985

Solid State Scientific, Inc.
3900 Welsh Road
Willow Grove, PA 19090

Attn: Ms. Josephine Histan

Re: Closure Certification
Building No. 2
S.E. #1559


Dear Ms. Histan:

Attached is one original and two copies of the PADER certification of closure form signed and sealed. That report is accompanied by reports prepared by Storch Engineers that details the steps and procedures followed and related conclusions that allowed the certification. Please note that the certification is based on visual observations and analyses of samples gathered at the site.

We thank you for the opportunity of being of service to you with regard to this matter.

Very truly yours,

STORCH ENGINEERS


William L. Deane, P.E.
Partner

WLD/af/FP
Encls.

cc: Leif Leiburg

PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, William L. Deane, a Professional Engineer registered
(Name)

pursuant to the Professional Engineers Registration Law, 63 P.S. §§148
et seq., hereby certify that I have reviewed the Closure Plan for the
Storage Area, Drum and Solvent Storage Areas and Wastewater Treatment Plant
(Type of Facility)

at Building No. 2 ("facility"), located at
(Name of Hazardous Waste Facility)

Solid State Scientific, Incorporated, Montgomeryville, Pa.,
(Location)

that I am familiar with the rules and regulations of the Pennsylvania
Department of Environmental Resources pertaining to closure of such facility,
and that I personally have made visual inspection(s) of the aforementioned
facility, in addition to the visitations of my staff, and that the closure
of the aforementioned facility has been performed in full and complete
accordance with the facility's closure plan approved in writing by the
Department of Environmental Resources on September 1, 1985,
and the rules and regulations of the Department codified at 25 Pa.
Code Chapter 75.

William L. Deane
(Signature)

11 September 1985
(Date)

32361-E
(Professional Engineering License Number)

Storch Engineers
220 Ridgedale Avenue
Florham Park, NJ 07932

(Business Address)

(Seal)

201-822-2600
(Telephone Number)

Please refer to the attached engineering report in support of this
certification.



ANALYTICAL INC.

28 Springdale Rd, Cherry Hill, NJ. 08003
(609) 751-1122 (215) 923-2068

RECEIVED

JUN 03 1985

STORCH ENGINEERS

Client:	Storch Engineers	Date:	May 28, 1985
Address:	220 Ridgedale Ave. Florham Park, NJ 07932	Project No.:	SR11344
		Date Requested:	May 24, 1985
		Sampled By:	Client
Attention:	Gregory Anfuso	Number of Samples:	1
		Samples Matrix:	Aqueous

Analytical Results

Sample Designation

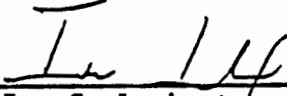
Parameter

SR11344
Wastewater
SSSI-I

pH, units

5.5; 5.5*

*Duplicate Analysis


Ian C. Lambert
Laboratory Manager

ICL/mb



28 Springdale Rd. Cherry Hill, N.J. 08003
(609) 751-1122 (215) 923-2068

June 17, 1985.

Storch Engineers
220 Ridgedale Ave.
P.O. Box 267
Florham Park, NJ 07932

Attention: Gregory Anfuso

Reference: Test Report No. SR11357

Montgomeryville, PA

This report covers the analysis of two (2) solid samples submitted to S-R Analytical, Inc. (S-R) on May 28, 1985. The following analyses were requested on selected samples:

- . Volatile Organics
- . Metals (EP Extractable)
- . Reactivity
- . Flashpoint & pH

This report is organized in the following manner:

- . Methodology
- . Analytical Results
- . Quality Assurance Data

I. Methodology

Volatile Organics

Non-aqueous samples are prepared by adding a known weight of sample to a screw-cap test tube with 10 ml of methanol. The tube is sealed, agitated and allowed to sit in a freezer for no less than 1 hour. An aliquot of the methanol extract is then transferred to a 35 ml purge vessel along with 30 ml of DI Water, and an internal reference standard added for recovery purposes.

Aqueous samples are prepared by transferring an aliquot of the sample directly to a 35 ml purge vessel along with an internal reference standard.

Samples are then analyzed by purge-and-trap GC/MS/DS in accordance with the following method:

- EPA Method 624, Federal Register, Test Methods for Organic Chemical Analysis of Municipal & Industrial Wastewater, July, 1982.

Detection limits are reported in accordance with EPA Method 624, Federal Register, December 3, 1979.

Miscellaneous Parameters

Aqueous, non-aqueous and solid samples are prepared and analyzed according to the following publications:

- EPA Test Methods for Evaluating Solid Wastes - Physical/Chemical Methods -SW846, 1982.
- Standard Methods for the Examination of Water and Wastewater, 15th edition.
- EPA Chemical Analysis of Water and Wastes, EPA-600, 1979.
- ASTM Method D93, Test for Flashpoint by Pensky-Martens Closed Tester.
- Federal Register, Vol. 45, No. 98, May 19, 1980, Section 261.23 (Characteristic of Reactivity).
- Federal Register, Vol. 45, No. 98, May 19, 1980, Section 261.22 (Characteristic of Corrosivity).



ANALYTICAL INC.

Storch Engineers
Test Report No. SR11357
June 17, 1985
Page 3 of 7

II. Analytical Results

Volatile Organics

Sample Designation

<u>Constituent</u>	<u>blank</u>	SR11357-2
		SSSI-3
		Grab Sample
		<u>5/23/85</u>
Chloromethane	<1	<1
Bromomethane	<1	<1
Vinyl chloride	<1	<1
Chloroethane	<1	<1
Methylene chloride	1.1	<1
1,1-Dichloroethene	<1	<1
1,1-Dichloroethane	<1	<1
trans-1,2-Dichloroethene	<1	<1
Chloroform	<1	<1
1,2-Dichloroethane	<1	<1
1,1,1-Trichloroethane	<1	<1
Carbon tetrachloride	<1	<1
Bromodichloromethane	<1	<1
1,2-Dichloropropane	<1	<1
trans-1,3-Dichloropropene	<1	<1
Trichloroethene	<1	<1
Benzene	<1	<1
Dibromochloromethane	<1	<1
1,1,2-Trichloroethane	<1	<1
cis-1,3-Dichloropropene	<1	<1
2-Chloroethyl vinyl ether	<1	<1
Bromoform	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1
Tetrachloroethene	<1	<1
Toluene	<1	<1
Chlorobenzene	<1	<1
Ethyl benzene	<1	<1
Dichlorodifluoromethane	<10	<10
Trichlorofluoromethane	<1	<1
Units	(ppm)	(ppm)

II. Analytical Results, (CONT'D)

Metals (EP Extractable)

<u>Constituent</u>	<u>blank</u>	<u>Sample Designation</u>		<u>EP Toxicity Limits</u>
		SR11357-1 SSSI-2 Grab Sample 5/23/85		
Arsenic	<0.05	<0.05		5.0
Barium	<0.01	0.93		100.0
Cadmium	<0.1	0.17		1.0
Chromium	<0.5	47		5.0
Lead	<0.5	<0.5		5.0
Mercury	<0.02	<0.02		0.2
Selenium	<0.1	<0.1		1.0
Silver	<0.5	<0.5		5.0
Units	(ppm)	(ppm)		(ppm)

II. Analytical Results (CONT'D)

Reactivity

The observations for Reactivity were as follows:

- . The sample did not undergo violent changes under normal conditions.
- . The sample did not react violently or form a potentially explosive mixture with water.
- . The sample did not appear readily capable of detonation or explosive decomposition or reaction at standard temperature or pressure.
- . The results for reactive sulfide and cyanide are as follows:

<u>Parameter</u>	<u>Sample Designation</u>
	SR11357-1
	SSSI-2
	Grab Sample
	<u>5/23/85</u>
Sulfide	<10; <10*
Cyanide	<5; <5*
Units	(ppm)

Flashpoint & pH

<u>Parameter</u>	<u>Sample Designation</u>
	SR11357-1
	SSSI-1
	Grab Sample
	<u>5/23/85</u>
Flashpoint, closed cup, °F	>180; >180*
pH, units	3.5; 3.5*

*Duplicate Analysis

III. Quality Assurance Data

Volatile Organics

SR11357-2 plus Spike

<u>Constituent</u>	<u>Amount of Spike, ug</u>	<u>% Recovery</u>
Methylene chloride	1.0	99
1,1-Dichloroethylene	1.0	98
1,1-Dichloroethane	1.0	101
Chloroform	1.0	103
Carbon tetrachloride	1.0	103
1,2-Dichloropropane	1.0	107
Trichloroethylene	1.0	110
Dibromochloromethane	1.0	97
1,1,2-Trichloroethane	1.0	102
2-Chloroethyl vinyl ether	1.0	96
Tetrachloroethylene	1.0	109
Chlorobenzene	1.0	114

Storch Engineers
 Test Report No. SR11357
 June 17, 1985
 Page 7 of 7

III. Quality Assurance Data

SR11396-2 plus Spike*

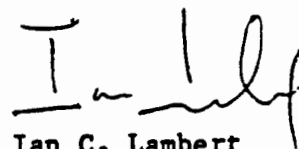
<u>Parameter</u>	<u>Amount of Spike, ug</u>	<u>% Recovery</u>
Arsenic	100	121
Barium	500	97
Cadmium	500	92
Chromium	500	92
Lead	500	90
Mercury	10	95
Selenium	500	101
Silver	500	5.0

*This spiked sample was analyzed simultaneously with the samples in this test report.

Should you have any questions concerning this analysis, please don't hesitate to contact your account representative.

Respectfully submitted,

S-R ANALYTICAL, INC.



Ian C. Lambert
 Laboratory Manager

ICL/mb

STORCH
ENGINEERS

220 RIDGEDALE AVENUE
FLORHAM PARK, NEW JERSEY 07932

SAMPLE I.D. NO.
SE 1559
DAY, MONTH, YEAR
5-23-85

SAMPLING TIME AND DATE
May 23, 1985

SAMPLE LOCATION

Montgomeryville, Pennsylvania

WITNESSES

NO. OF CONTAINERS

2

COLLECTION PROCEDURE

Grab Samples

NAME OF PERSON COLLECTING SAMPLES

G. Antuso

METHOD OF PRESERVATION

None

REMARKS:

1:30pm SSSI-2 → EP Toxicity, Ignitability, Reactivity, Corrosivity
2:30pm SSSI-3 → VOA

COLLECTED BY

PRINTED NAME

Gregory A. Antuso

UNIT

Storch Engineers

PURPOSE OF TRANSFER

Lab Analysis

SIGNATURE

X Gregory A. Antuso

TIME AND DATE

5-24-85

CUSTODY TRANSFERRED TO

PRINTED NAME

CANDACE D. YOUNG

UNIT

PURPOSE OF TRANSFER

Received by Lab
for Analysis

SIGNATURE

X Candace D. Young

TIME AND DATE

5-28-85 5:00pm

CUSTODY TRANSFERRED TO

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

X

TIME AND DATE

CUSTODY TRANSFERRED TO

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

X

TIME AND DATE

RECEIVED IN LABORATORY BY

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

X

TIME AND DATE

LOGGED IN BY

PRINTED NAME

UNIT

ACCESSION NO.

SIGNATURE

TIME AND DATE

STORCH
ENGINEERS

220 RIDGEDALE AVENUE
FLORHAM PARK, NEW JERSEY 07932

SAMPLE I.D. NO. SSSI-I
DAY, MONTH, YEAR
May 21, 1985

SAMPLING TIME AND DATE
May 21, 1985
1:20 pm

SAMPLE LOCATION
Fiberglass Tanks for wastewater
treatment Plants

WITNESSES

NO. OF CONTAINERS

Gregory Antuso, STORCH Engineers

1

COLLECTION PROCEDURE

Liquid absorbed on paper towels
and squeezed into bottle

NAME OF PERSON COLLECTING SAMPLES

Joe Gazillo, Eldredge
Gregory Antuso, STORCH ENGINEERS

METHOD OF PRESERVATION

None

REMARKS:

SSSI-1, pH

COLLECTED BY

PRINTED NAME	UNIT	PURPOSE OF TRANSFER
Gregory A. Antuso	Engineer	Lab Analysis
SIGNATURE X <i>Gregory A. Antuso</i>	TIME AND DATE May 22, 1985 1:20 pm	

CUSTODY TRANSFERRED TO

PRINTED NAME	UNIT	PURPOSE OF TRANSFER
SIGNATURE X	TIME AND DATE	1

CUSTODY TRANSFERRED TO

PRINTED NAME	UNIT	PURPOSE OF TRANSFER
SIGNATURE X	TIME AND DATE	

CUSTODY TRANSFERRED TO

PRINTED NAME	UNIT	PURPOSE OF TRANSFER
SIGNATURE X	TIME AND DATE	

RECEIVED IN LABORATORY BY

PRINTED NAME	UNIT	PURPOSE OF TRANSFER
SIGNATURE X	TIME AND DATE	

LOGGED IN BY

PRINTED NAME	UNIT	ACCESSION NO.
SIGNATURE	TIME AND DATE	



S-R ANALYTICAL INC.

28 Springdale Rd, Cherry Hill, NJ. 08003
(609) 751-1122 (215) 923-2068

CHAIN OF CUSTODY RECORD

Name of Unit and Address		Storch Engineers 220 Ridgedale Ave Florham Park, NJ 07932				
Number	Item	Description of Samples				
SSSI: 4	Soil Sample	EP Toxicity - Grayish Soil Sample (2 Composites)				
SSSI: 5	Soil Sample	EP Toxicity - Tan Soil Sample - (3 Composites)				
Remarks:		Sample Location: Montgomeryville, Pa. taken on 7-26-1 1 - EP Toxicity Analysis on Each Sample				
Person Assuming Responsibility for Samples:					Time	Date
Gregory Anfuso, Storch Engineers						7/26/15
Number	Relinquished by:	Received by:	Time	Date	Reason for Change of Custody	
2	Gregory Anfuso Storch Engineers	Gregory Anfuso S-R Analytical	2:00pm	7/26/15	Analysis	
Number	Relinquished by:	Received by:	Time	Date	Reason for Change of Custody	
	Gregory A. Anfuso	Carolyn Palmer CAROLYN PALMER	2:07pm	7/26/15		
Number	Relinquished by:	Received by:	Time	Date	Reason of Change of Custody	
Number	Relinquished by:	Received by:	Time	Date	Reason of Change of Custody	

STORCH ENGINEERS

220 RIDGEDALE AVENUE, P.O. BOX 267, FLORHAM PARK, NJ 07932

(201) 822-2600

Field Report No. 4, S.E. #1559

July 26, 1985

Site Location: Building No. 2 Weather: Rain
Solid State Temp: 75°
Scientific, Inc. (SSSI). Winds: Westerly
Montgomeryville, PA

The purpose of being on site this date was to take two samples in the Drum Storage Area.

The sampling points and locations within the drum storage area were agreed upon with Josephine Histan by phone the previous day and verified upon arrival at the site at 9:30 am.

Safety equipment used consisted of rubber boots and butyl rubber gloves. The first sample taken was the grey material on the southerly side of the excavation wall. Examination of the excavation area showed the grey material was located in a seam occurring beneath the pavement gravel base course. The asphalt pavement is 3 inches thick overlying a 6" aggregate base course with a maximum aggregate size of 3 inches.


The 3" thick seam of grey material was located approximately 2 feet east of the westerly limit of the excavation and extended easterly along the wall of the excavation approximately 5.5 feet. A grab sample from two locations in the seam was taken for sample SSSI-4 from the grey material. Sampling was completed at 10:15 am.

A hand auger was utilized for obtaining sample SSSI-5 which was composited from three locations within the excavation. At each location, the auger was used to bore a hole approximately 15" deep at each sampling point. The auger was removed and a spoon sampler was used to obtain soil at depth of 15" to 19" in the underlying soil. Sampling for SSSI-5 was completed at 11:55 pm.

Both soil samples SSSI-4 and SSSI-5 were designated for EP toxicity metals analysis and hand delivered to SRI Analytical Incorporated in Cherry Hill, New Jersey.

Josephine Histan left the site at 11:25 am during the auger sampling procedures.

I left the site at 12:45 pm.



Gregory A. Anfuso

jcr

RECEIVED

AUG 20 1985

STORCH ENGINEERS



28 Springdale Rd, Cherry Hill, NJ. 08003
(609) 751-1122 (215) 923-2068

Client:	Storch Engineers	Date:	August 16, 1985
Address:	220 Ridgedale Ave. Florham Park, NJ 07932	Project No.:	SR11738
Attention:	Gregory Anfusio	Date Requested:	July 26, 1985
		Sampled By:	Client
		Number of Samples:	2
		Samples Matrix:	Solid

Analytical Results

Sample Designation

Metals (EP Extractable)

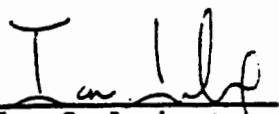
<u>Constituent</u>	<u>blank</u>	<u>Sample Designation</u>		<u>EP Toxicity Limits</u>
		<u>SR11738-1 SSSI-4</u>	<u>SR11738-2 SSSI-5</u>	
Arsenic	<0.5	<0.5	<0.5	5.0
Barium	<0.1	0.31	0.16	100.0
Cadmium	<0.1	<0.1	<0.1	1.0
Chromium	<0.1	<0.1	<0.1	5.0
Lead	<0.5	<0.5	<0.5	5.0
Mercury	<0.02	<0.02	<0.02	0.2
Selenium	<0.1	<0.1	<0.1	1.0
Silver	<0.5	<0.5	<0.5	5.0
Units	(ppm)	(ppm)	(ppm)	(ppm)

Storch Engineers
Test Report No. SR11738
August 16, 1985
Page 2 of 2

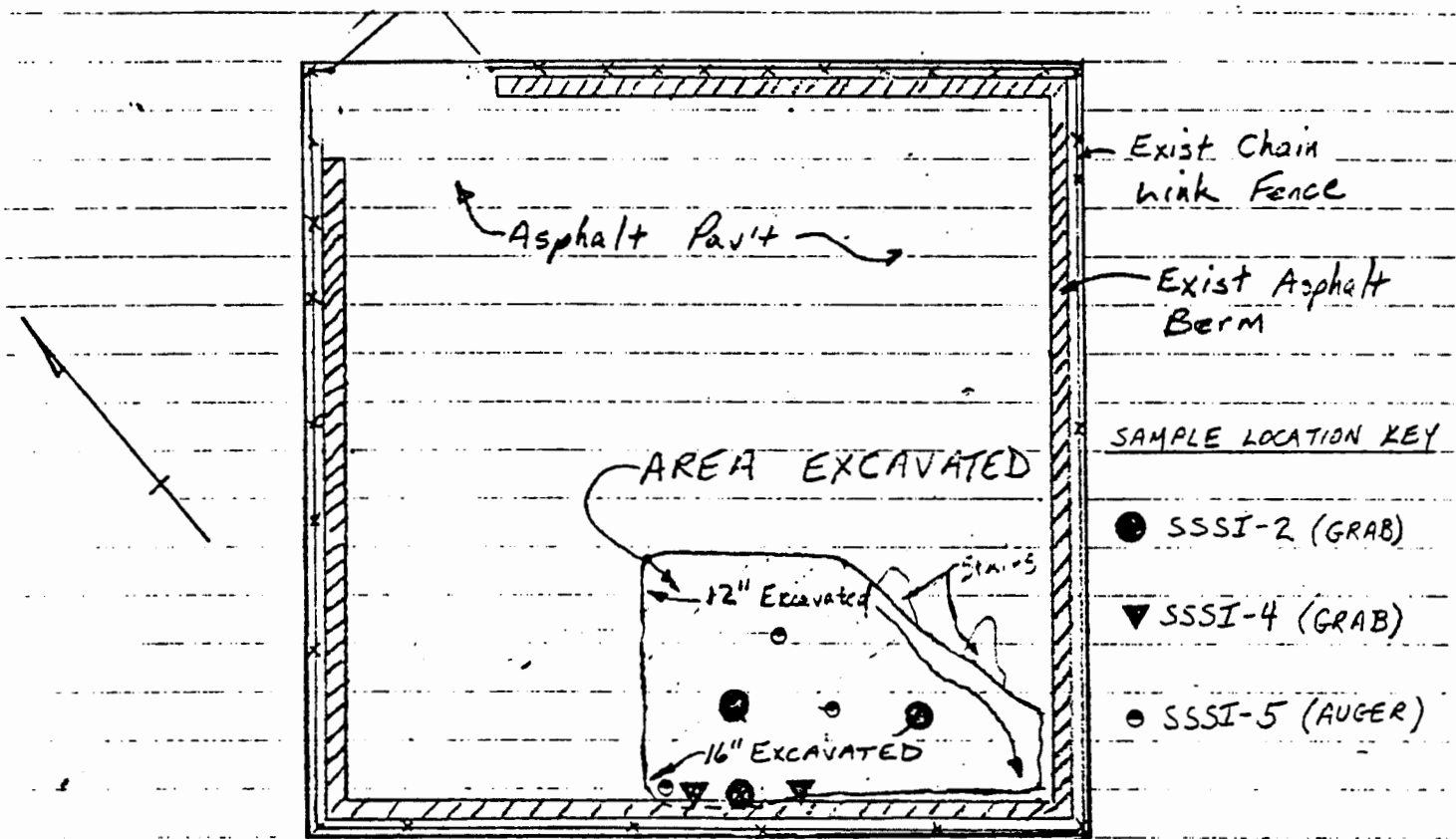
Quality Assurance Data

<u>Parameter</u>	<u>Sample No.*</u>	<u>Amount of Spike, ug</u>	<u>% Recovery</u>
Arsenic	SR11701-4	500	57
Barium	SR11754-12	150	97
Cadmium	SR11754-12	150	93
Chromium	SR11754-12	150	91
Lead	SR11754-12	150	94
Mercury	SR11708-2 EP	20	92
Selenium	SR11701-4	500	100
Silver	SR11754-12	150	11

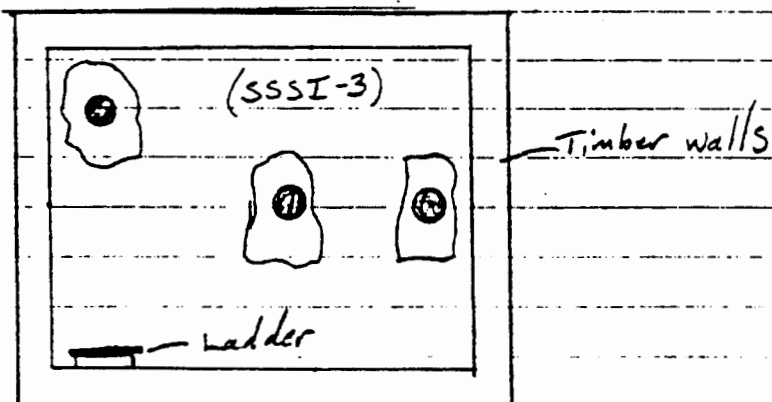
*These spiked samples were analyzed simultaneously with the samples in this report.


Ian C. Lambert
Laboratory Manager

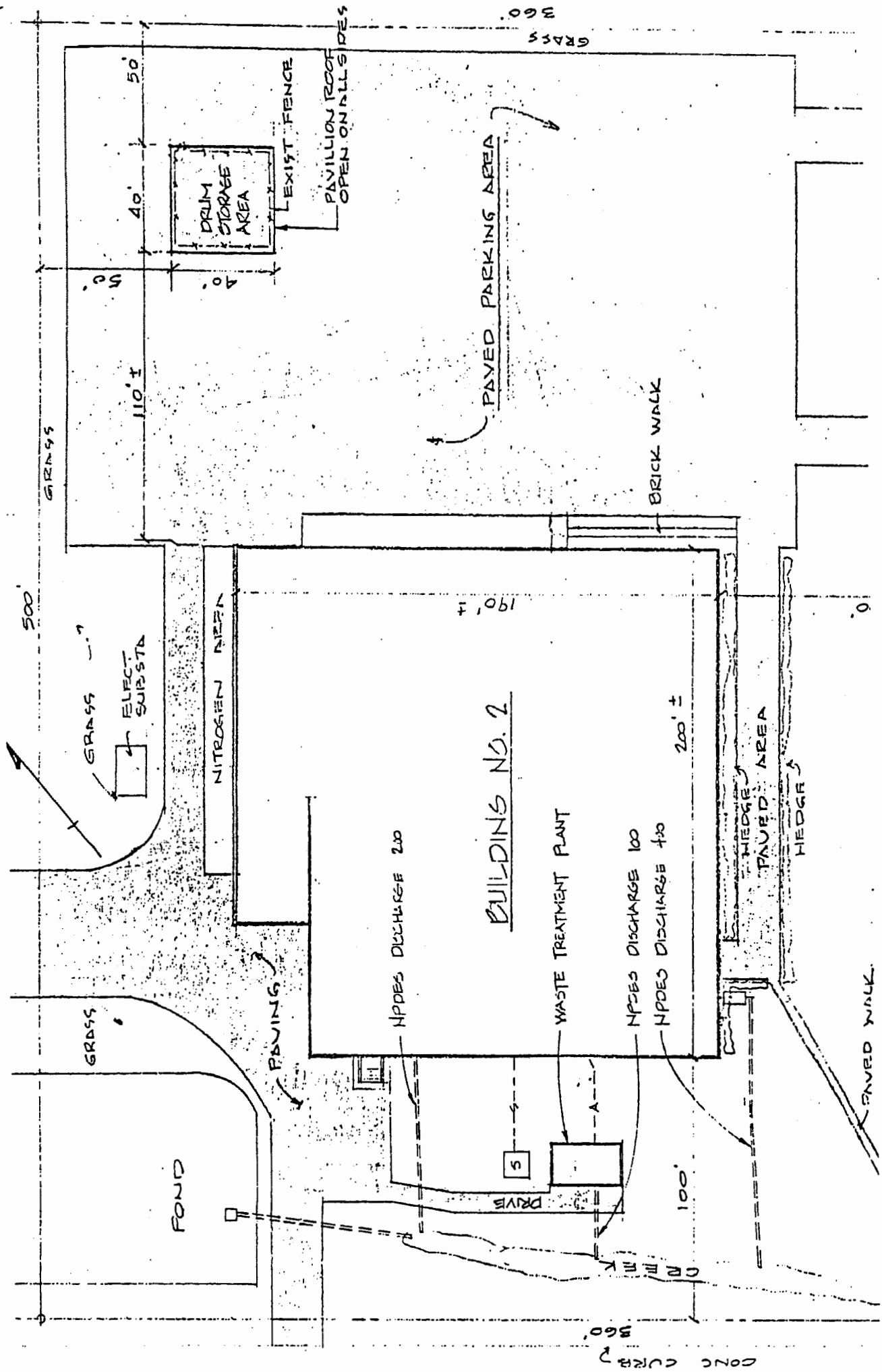
ICL/mb

40'x40' Drum Storage Area (FIG 1)

Scale 1" = 10'

8' x 10' Solvent storage Tank Pit (Fig. 2)

SCALE 1" = 4'



**39. April 24, 1981 Review (Form No. 1) for
Plan Approval**

Provided by: PADEP

FORM NO. 1

CONTACT(S):

Solid State Scientific, Application Nos.: 468

I. W.

Montgomery Twp.

Montgomery County Montgomeryville

Regional Director

RH

18936

Appl: 855-8400 Engr: 825-

4/4/81

New Proposal	<input checked="" type="checkbox"/>
Revised Proposal	<input type="checkbox"/>

On *4-13-81*, we (accepted/received) an application for plan approval

and/or permit to (construct/modify/install) *industrial waste treat*

facilities to treat semiconductor

This proposal involves: *manufacturing wastes at (il*

your plant in Montgomery Township,

Montgomery County.

Permit Coordination Requirements:

SUBMITTAL OF SLUDGE DISPOSAL

	No Permit Required	No Permit Required Prior Approval Required	Permit Required Application on Hand	Permit Required Application Needed
<i>81</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
uality / <i>Plan</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>4/15</i>	<input type="checkbox"/>
aste Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i Env. Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

APR 22

Form No. 1

Application Nos.: 46-399

JECT:

Sewer State Scientific

CONTACT:

Commerce Drive

Craig Phillips

Montgomeryville

855-8405

PA 18926

New Proposal

Revised Proposal

Regional Coordinator

Phil Bedgin

On JAN 9, 1981, we received an application for plan approval and/or permit to construct a _____. The proposed installation involves:

THE INSTALLATION OF A SCRUBBER TO CONTROL THE FUME EMISSIONS FROM THE PROCESSING OF SILICON WAFERS. THE SCRUBBER BLOWDOWN WILL GO TO THE WASTE WATER TREATMENT PLANT. ALL PLANT LIQUID WASTE WILL FLOW TO THE (PLANT-OWNED) TREATMENT WORK.

Permit Coordination Requirements:

None

2/9/81	No Permit Required	No Permit Req. Prior Approval Required	Permit Req. Appli. on Hand	Permit Req. Appli. Needed
Quality			2/9/81	
Quality Planning	✓			✓
Protection	✓			
unity Env. Control	✓	AMEND 20	2/9/81	
rational Health				